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TITLE: Immobilization of biomolecules on a fluorocarbon surface with a poly(fluoroalkyl) sugar reagent

CLAIMS:

1. A process for immobilizing a biomolecule on a solid fluorocarbon polymer surface comprising the steps of:

forming a conjugate by attaching to a biomolecule a poly(fluoroalkyl) sugar reagent, containing a sugar having multiple hydroxy groups to which are attached a plurality of fluoroalkyl anchor groups capable of adsorbing to a solid fluorocarbon polymer surface and a reactive group capable of attaching to a biomolecule, and adsorbing the conjugate on a solid fluorocarbon polymer surface to obtain said immobilized biomolecule, wherein the sugar reagent is selected from the group consisting of: ##STR10## wherein x=1-10;

R is ##STR11## wherein m=1-5;

n=3-20; and

R' is: ##STR12## wherein x=1-10;

R is CO(CH₂)_m (CF₂)_n CF₃ wherein
m=1-5;

n=3-20; and

R' is ##STR13## wherein: x=2-10;

R is CO(CH₂)_m (CF₂)_n CF₃ wherein
m is 1-5;

n is 3-20; and

R' is: ##STR14##